

Name of Faculty Dr. CH.Navitha  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 14- 10- 2019  
 E-mail navitha\_ece@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph.D.	Doctor of Philosophy (ECE) Jawaharlal Nehru Technological University, Hyderabad	Awarded
PG	M.Tech (Digital Communications) Kakathiya Institute of Technology and Science, Warangal	Distinction
UG	B.Tech (ECE) Chaitanya Bharathi Institute of Technology, Hyderabad	Distinction

Work Experience

Teaching	17 Years	
Research	--	
Industry	--	
Others	--	

Area of Specialization Wireless communications, signal processing

Academic Identity Scopus Id: 57195534547  
 Researcher Id: ABH-6386-2020 Orcid Id: 0000-0002-7087-2395

Professional Memberships --

Responsibilities held at Institution Level

- i. Department Library incharge,
- ii.

Responsibilities held at Department Level  
 Research Guidance

Awards Received

Courses Handled at Under Graduate / Post Graduate Level. Digital Communications, Digital signal processing, Analog Communications, Electronic devices and Circuits-I, Electronic Devices and Circuits-II, Linear Devices and Integrated Circuits, Coding Theory, Basic Electronics.

No. of Papers Published

National Journals ---	International Journals – 06
National Conference ---	International Conference – 03

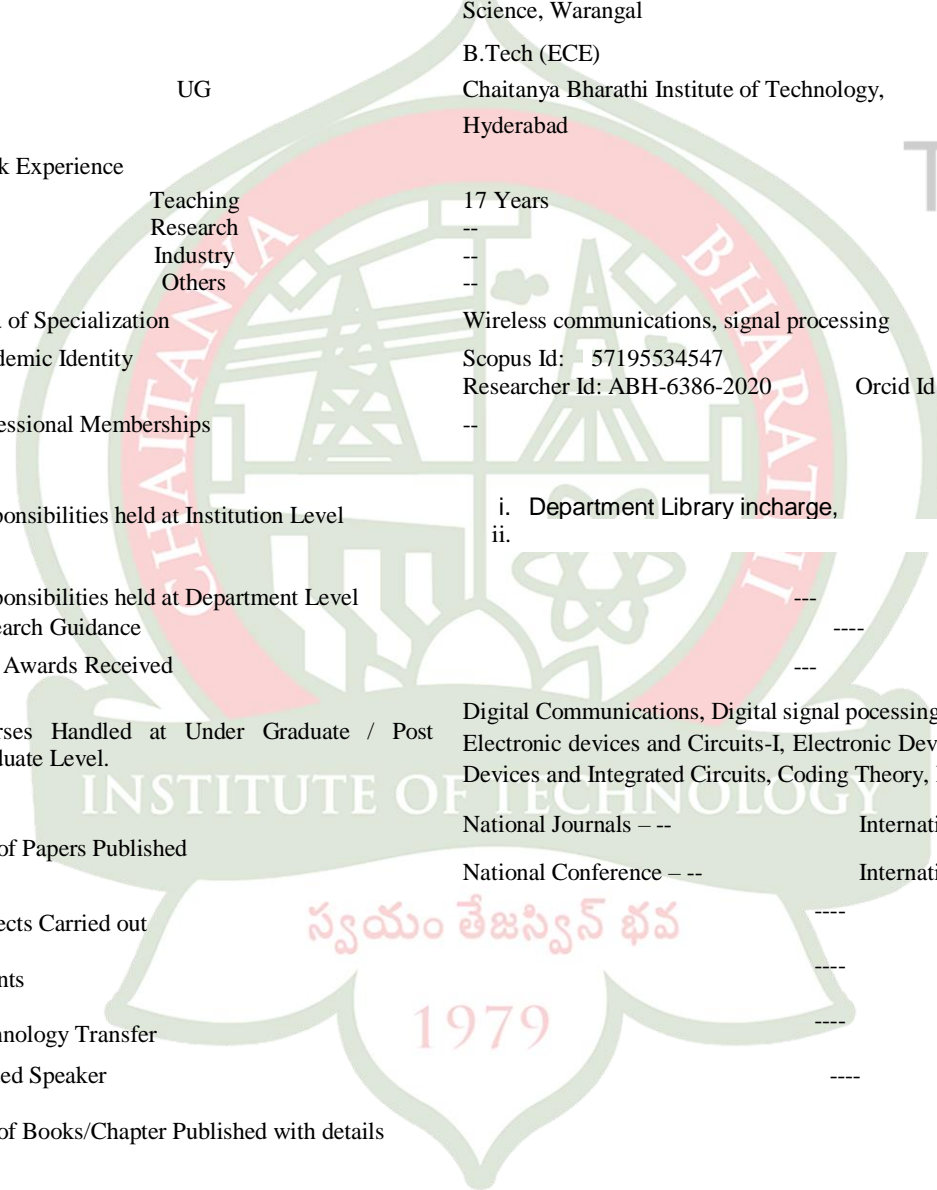
Projects Carried out

Patents

Technology Transfer

Invited Speaker

No. of Books/Chapter Published with details



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Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

1. A One Week Faculty Development Program on “Hands on FDP: Data Science using python”,held from 18.05.2020 to 22.05.2020 organised by department of Information Technology of Jeppiaar Institute of Technology.
2. A One Week Faculty Development Program on “Research Opportunities in Image Processing and Machine Learning”, held from 29.06.2020 to 03.07.2020 organised by the Department of Electronics and Communication Engineering.
3. Participated in the Webinar on “Present Trends and Research Scopes in 5G Wireless Communications”,conducted by the Department of Electronics and Communication Engineering,G Pulla Reddy Engineering College,Kurnool on 27th and 28th june,2020.
4. A One week Faculty Development Program on “Reserch methodology with Hands on Research paper writing”,organized by the Department of Electronics and Communication Engineering,SAGE University, Indore from 1st to 5th june 2020.
5. Successfully completed an online Quiz on “Bloom’s Taxonomy” conducted by the Department of Science and Humanities, MLR Institute of Technology on 31.05.2020.
6. Successfully completed an a National Level E-Quiz on “Fundamentals of Electronics” conducted by the Department of Electronics and Communication Engineering,Nadimpalli Satyanarayana Raju Institute of Technology on 29.05.2020.
7. Successfully completed an online Quiz on “Fundamentals of Analog Electronics” conducted by the Department of Electronics and Communication Engineering, Kakatiya Institute of Technology on 01.06.2020.
8. Successfully completed an online Quiz on “COVID-19 Awareness Program” conducted by University College of Engineering &Technology for Women, Kakatiya University on 06.06.2020.
9. Participated in the Webinar on “Digital Transformation”,conducted by the Storm Overseas on 12th May,2020.
10. A one Week Faculty Development Program on “Hands on Lab VIEW & it’s applications in Engineering”,held from 04.05.2017 to 09.05.2017 organised by Department of ECE and EIE, KITS, Warangal.
11. A one Week Faculty Development Program on “Information Theory and Coding - Applications”,held from 21.11.2018 to 26.11.2018 organised by National Institute of Technology(NIT) Warangal.
12. A One Week Faculty Development Program on “Wireless and Mobile Communication”,held from 03.12.2018 to 07.12.2018 organized by National Institute of Technology(NIT) Warangal.
13. A One Week Faculty Development Program on “VLSI Design: Bridging Concepts to Practice”,held from 25.05.2019 to 30.05.2019 organized by Kakatiya Institute of Technology & Science, Warangal.

Details of Journal Publications/ Conferences

**International/National Journal publications**

Ch. Navitha, K. Sivani and K. A. Reddy, “Adaptive wavelet transform based rake receiver for ultra- wideband systems,” Advances in Modelling and Analysis B, vol.60, No.2, October 2017, pp. 355 - 369, ISSN: 1240-4543 (Scopus).

Ch. Navitha, K. Sivani and K. A. Reddy, “Performance evaluation of adaptive continuous Wavelet transform based rake receiver for UWB systems,” International Journal of Electrical and Computer Engineering (IJECE), vol. 8, no. 5, October 2018, pp. 3444 - 3452, ISSN: 2088-8708 (Scopus).

Ch.Navitha, K. Sivani and K. A. Reddy, “signal-strength optimization approach for transmission techniques based on filtering and multiobjective optimization”, in international Journal of Applied Science and Computations(JASC), vol. 8, no. 9, September 2021, pp. 148-159, ISSN: 1076-5131.

Ch.Navitha, K. Sivani and K. A. Reddy, “a novel mechanism for design and implementation of Underwater wireless optical communication system with high-speed and full-duplex by blue/green light method”, in international Journal of parishodh, vol. X, no. 1, January 2021, pp.82-96, ISSN: 2347-6648.

Ch.Navitha, K. Sivani and K. A. Reddy, "a novel technique for generalized sdn structure aimed at optical wireless communication networks", in international Journal of parishodh, vol. IX, no. 1, January 2020, pp.2364-2374, ISSN: 2347-6648.

Ch.Navitha, K. Sivani and K. A. Reddy, "recognition of hyper nasality from speech signal based on extensive feature extraction approach with random forest classifier", in The International Journal Of Analytical And Experimental Modal Analysis (IF-6.3) An UGC-CARE Approved Group – II Journal , vol. 12, no. 4, April 2020, pp.2208-2220, ISSN: 0886-9367.

#### **International/National Conference Publications**

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Ch.Navitha, K. Sivani and K. A. Reddy, "Use of Dual Tree Complex Wavelet Transform for UWB system RAKE receiver," in Proc. International Conference on Control, Instrumentation, Communication & Computational Technologies, ICCICCT-2016, Kanyakumari, India, 16-17, December, 2016. (10.1109/ICCICCT.2016.7988016).

Ch. Navitha, K. Sivani and K. A. Reddy, "Adaptive Rake receiver using dual tree complex wavelet transform for an ultra-wide band system", in Proc. of IEEE International Conference on Wireless Communications, Signal Processing and Networks (WiSPNET), SSN college of Engg., Chennai, India March. 22-24, 2017, pp.536-540.

Ch.Navitha, K. Sivani and K. A. Reddy, "A survey of receivers for downlink CDMA system", in Proc. of National Conference on Recent Advances in Communications & Electronics(RACE)-2015, , Kamala Institute of Technology & science(KITS), singapur, Huzurabad,Karimnagar, Feb. 27-28, 2015, pp.18-20.

B.Shravani and Ch.Navitha, "An Efficient Carry Select Adder with Reduced Area And Low Power Consumption", in Proc. Of International Conference on Electrical And Electronics engineering (ICEEE-2012), Hyderabad on 12th Aug, 2012.

B.Dharmendar, B.Rama Devi and Ch.Navitha, "Cooperative Coding for Wireless Communications", in Proc. Of National Conference on Mathematical aspects of Cryptography and network Security, Jyothishmathi Institute of Technology & Science, Karimnagar on 12 -14th Nov, 2010.

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